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### Scholarly articles for **film and (polylactic or poly lactic) and (polyester or polyether) plasticizer and crystallinity and elastic and tensile modulus and molecular weight**



[An Overview on the Mechanical Behaviour of Biodegradable ...](#) - Briassoulis - Cited by 6  
 Bioinert, biodegradable and injectable polymeric matrix ... - Mano - Cited by 11

### [doc] POLYMERS AND PLASTICS

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**Poly(lactic acid)** (PLA) is an example of a synthetic commercial polymer in which the ... (3)

Young's **modulus** (also known as **elastic modulus** or **modulus** of ...

[www.chem.binghamton.edu/PolymerLabs/PChem\\_Lab\\_Manual.doc](#) - Similar pages

### [Impact modified melt-stable lactide polymer compositions and ...](#)

This polylactide-based polymer can include polylactide, **poly(lactic acid)**, ... **Poly(lactide)** with number average **molecular weight** of 69000 and **weight** ...

[www.freepatentsonline.com/5922832.html](#) - 117k - Cached - Similar pages

### [Hydrogenated block copolymers having elasticity and articles made ...](#)

Suitable **poly lactic acid** (PLA) polymers for use in the invention are well known ... TABLE 2

**Weight MFR Ultimate 300% 1 Cycle Percent (g/10 Tensile Modulus ...**

[www.freepatentsonline.com/6777082.html](#) - 170k - Cached - Similar pages

### Aliphatic **polyester** resin composition patent invention

[0049] To 100 parts by **weight** of **polylactic acid** (LACTY9800, ... amount of the **polylactic acid** and the **plasticizer**, lowering of the **elastic modulus** at high ...

[www.freshpatents.com/Aliphatic-polyester-resin-composition-](#)

[dt20051208ptan20050272843.php?type=description](#) - 56k - Cached - Similar pages

### [PDF] A review of biodegradable polymers: uses, current developments in ...

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Synthetic biodegradable **poly(a-ester)s**, eg **poly(lactic acid)** (PLA), **poly(glycolic acid)** ... of **plasticizer** was to reduce the **tensile modulus**, increase ...

[dx.doi.org/10.1002/\(SICI\)1097-0126\(1998100\)47:2%3C89::AID-PI86%3E3.0.CO;2-F](#) -

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siderably, but the breaking stress and **elastic modulus** decreased. The brittleness problem of the ... Cellulose diacetate-graft-**poly(lactic acid)s** (CDA-g- ...

[www.springerlink.com/index/WUG3232VP4893153.pdf](#) - Similar pages

### ms Annual Reviews in Materials Science Annu. Rev. Mater. Sci ...

Variations in **molecular weight** characteristics, **crystallinity**, ... Brady et al 007) implanted C14-labeled d/**polylactic acid** in the abdominal wall of the rat ...

[arjournals.annualreviews.org/doi/xml/10.1146/annurev.ms.06.080176.001321](#) -

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[PDF] [Transition metal-catalyzed living radical polymerization: Scope ...](#)

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**poly(styrene-b-isoprene)** diblock copolymer of 750K **molecular weight** and 40%/60% S/I ...

Method for determination of the **elastic modulus** of thin polymer gels ...

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high **molecular weight** polymers. PGA has a high **crystallinity** (45-55%) that ...

[EP753539A1]: Aliphatic **polyester** polymer blends based on **polylactic** acid, ...

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### [Stock material or miscellaneous articles patents 200512](#)

20050287358 - Packaging film: A film of biodegradable **polylactic** acid polymers ... about

90 to about 99.9 **weight** % of at least one **Polyester-polyether** block ...

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GPa and a **tensile modulus** of 130 GPa. Finally, the solid-state ... characterized in that: it contains a high **molecular weight** poly- ...

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**polylactic** acid, 267–268. mechanical properties, 523. polymer(s). amorphous, 86–88, 91, 93, 245, ... **molecular weight**, 83, 86, 99, 131, 197, 213, 247, ...

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### [\[PDF\] Appendixes](#)

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Effect of **Molecular Weight** and **Crystallinity** on **Poly(lactic acid)** Mechanical Properties -

G.Perego, ... **Polyester**, polyurethanes and **Polyether** polyurethanes ...

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**Molecular**-Basis for the C4Bp Isoform Pattern and Its Variations in Human Plasma ... 50-

50- Percent Copolymer of **Polylactic** and Polyglycolic Acids ...

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polyketide NN polyketides NNS **polylactic** JJ polylactide NN JJ polylysine ...  
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**poly(lactic acid)** PLA or their copolymers generally proceeds in a ... structure, **molecular weight, crystallinity** and processing conditions of the polymers ...

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**ScienceDirect - Progress in Polymer Science : Polymer/layered ...**

The effect of MMT content and N6 **molecular weight** on the **tensile modulus** of ... J.-H.

Chang, Y. Uk-An and GS Sur, **Poly(lactic acid)** nanocomposites with ...

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L1	7754	film and lactic and (polylactic or poly near lactic)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:37
L2	5240	film and lactic and (polylactic or poly near lactic) and polyester	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:37
L3	5367	film and lactic and (polylactic or poly near lactic) and (polyester or polyether)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:38
L4	1049	film and lactic and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:38

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L5	689	film and lactic and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4 and crystalli\$6	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:39
L6	401	film and lactic and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4 and crystalli\$6 and elastic\$6	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:39
L7	401	film and lactic and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:40
L8	334	film and lactic and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)and (tensile or modulus or mpa)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:40
L9	401	film and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)and (tensile or modulus or mpa)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:41

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L10	106	film and (polylactic or poly near lactic) and (polyester or polyether) near200 plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)and (tensile or modulus or mpa) and (molecular or weight)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:41
L11	79	film and (polylactic or poly near lactic) and (polyester or polyether) near200 plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)and (tensile near2 modulus or mpa) and (molecular or weight)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:42
L12	4	film and (polylactic or poly near lactic) and (polyester or polyether) near200 plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)and (tensile near2 modulus near4 mpa) and (molecular or weight)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:44
L13	4	film and (polylactic or poly near lactic) and (polyester or polyether) near200 plasticiz\$4 and crystalli\$6 and elastic\$6 and (tensile near2 modulus near4 mpa) and (molecular or weight)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:48
L14	4	(polylactic or poly near lactic) and (polyester or polyether) near200 plasticiz\$4 and crystalli\$6 and elastic\$6 and (tensile near2 modulus near4 mpa) and (molecular or weight)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:48